Author Index

Adami, S., Fossaluzza, V., Rossini, M., Bertoldo, F., Gatti, D., Zamberlan, N. and Lo Cascio, V., The prevention of corticosteroid-induced osteoporosis with nandrolone decanoate, 73

Alkoby-Gibbs, M., see Rubinger, D., 219

Anderson, J.J.B., see Garner, S.C., 19

Arlunno, B., see Passeri, M., 237

Ayad, S. see Hoyland, J.A., 141

Ballard, T.A., see Ramp, W.K., 1

Barbagallo, M., see Passeri, M., 237

Baroni, M.C., see Passeri, M., 237

Bertoldo, F., see Adami, S., 73

Biondi, M., see Passeri, M., 237

Birek, C, Huang, H.Z., Birek, P. and Tenenbaum, H.C., C-*fos* oncogene expression in dexamethasone stimulated osteogenic cells in chick embryo periosteal cultures, 193

Birek, P., see Birek, C., 193

Body, J.J., see Dumon, J.C., 257

Boothandford, R.P., see Hoyland, J.A., 141

Boyle, I.T., see Gallacher, S.J., 249

Celoria, G.C., see Dimasso, R.J., 209

Costi, D., see Passeri, M., 237

Cowan, R.A., see Gallacher, S.J., 249

Cummings, S.R., see Smithbindman, R., 127

Davis, J.W., Ross, P.D., Vogel, J.M. and Wasnich, R.D., Age-related changes in bone mass among Japanese-American men, 227

Dillaman, R.M., see Ramp, W.K., 1

Dimasso, R.J., Celoria, G.C. and Font, M.T., Morphometric traits and femoral histomorphometry in mice selected for body conformation, 209

Donn, R., see Hoyland, J.A., 141

Dryburgh, F.J., see Gallacher, S.J., 249

Dumon, J.C., Magritte, A. and Body, J.J., Efficacy and safety of the bisphosphonate Tiludronate for the treatment of tumor-associated hypercalcemia, 257

Echon, R., see Kalu, D.N., 109

Ferrier, J., see Richter, C., 57

Font, M.T., see Dimasso, R.J., 209

Fossaluzza, V., see Adami, S., 73

Fraser, W.D., see Gallacher, S.J., 249

Freemont, A.J., see Hoyland, J.A., 141

Fujita, Y., see Jikihara, H., 115

Gallacher, S.J., Ralston, S.H., Fraser, W.D., Dryburgh, F.J., Cowan, R.A., Logue, F.C. and Boyle, I.T., A comparison of low versus high dose pamidronate in cancer-associated hypercalcaemia, 249

Garner, S.C., Anderson, J.J.B., Mar, M.-H. and Parikh, I., Estrogens reduce bone loss in the ovariectomized, lactating rat model, 19

Garzazapata, M., see Kalu, D.N., 109

Gatti, D., see Adami, S., 73

Gay, D.M., see Ramp, W.K., 1

Genant, H.K., see Smithbindman, R., 127

Girasole, G., see Passeri, M., 237

Grant, M.E., see Hoyland, J.A., 141

Hollis, B.W., see Kalu, D.N., 109

Hoyland, J.A., Thomas, J.T., Donn, R., Marriott, A., Avad, S., Boothandford, R.P., Grant, M.E. and Freemont, A.J., Distribution of type X collagen mRNA in normal and osteoarthritic human cartilage, 141

Huang, H.Z., see Birek, C., 193

Ikegami, H., see Jikihara, H., 115

Jee, W.S.S., Ke, H.Z. and Li, X.J., Long-term anabolic effects of prostaglandin-E_2 on tibial diaphyseal bone in male rats, 33
Jikihara, H., Ikegami, H., Sakata, M., Morishige, K.-i., Fujita, Y., Kurachi, H., Miyake, A., Tanizawa, O. and Terakawa, N., Epidermal growth factor attenuates cell proliferation by down-regulating the transforming growth factor-β receptor in the osteoblastic cell line MC3T3-E1, 115

Kalu, D.N., Salerno, E., Liu, C.C., Echon, R., Ray, M., Garzazapata, M. and Hollis, B.W., A comparative study of the actions of tamoxifen, estrogen and progesterone in the ovariectomized rat, 109
Kalu, D.N., The ovariectomized rat model of postmenopausal bone loss, 175
Ke, H.Z., see Jee, W.S.S., 33
Krause, I., see Rubinger, D., 219
Krishnamra, N., see Wangdee, W., 97
Kurachi, H., see Jikihara, H., 115

Lenz, L.G., see Ramp, W.K., 1
Li, X.J., see Jee, W.S.S., 33
Limlomwongse, L., see Wangdee, W., 97
Liu, C.C., see Kalu, D.N., 109
Lo Cascio, V., see Adami, S., 73
Logue, F.C., see Gallacher, S.J., 249

Mar, M.-H., see Garner, S.C., 19
Magritte, A., see Dumon, J.C., 257
Marriott, S., see Hoyland, J.A., 141
Miyake, A., see Jikihara, H., 115
Morishige, K.-i., see Jikihara, H., 115

Palummeri, E., see Passeri, M., 237
Parikh, I., see Garner, S.C., 19
Passeri, M., Baroni, M.C., Pedrazzoni, M., Pioli, G., Barbagallo, M., Costi, D., Biondi, M., Girasole, G., Arlunno, B. and Palummeri, E., Intermittent treatment with intravenous 4-amino-1-hydroxybutylidene-1,1-bisphosphonate (AHBuBP) in the therapy of postmenopausal osteoporosis, 237
Pedrazzoni, M., see Passeri, M., 237
Pioli, G., see Passeri, M., 237
Popovtzer, M.M., see Rubinger, D., 219

Ralston, S.H., see Gallacher, S.J., 249
Ramp, W.K., Dillaman, R.M., Lenz, L.G., Gay, D.M., Roer, R.D. and Ballard, T.A., A serum substitute promotes osteoblast-like phenotypic expression in cultured cells from chick calvariae, 1
Ray, M., see Kalu, D.N., 109
Richter, C. and Ferrier, J., Continuously active sodium channels in osteoblastic ROS 17/2.8 cells, 57
Roer, R.D., see Ramp, W.K., 1
Ross, P.D., see Davis, J.W., 227
Rossini, M., see Adami, S., 73
Rubinger, D., Krause, I., Alkoby-Gibbs, M. and Popovtzer, M.M., 24,25$(OH)_2D_3$ affects the calcemic effects of 1,25-$(OH)_2D_3$ by mechanisms independent of intestinal calcium absorption, 219

Sakata, M., see Jikihara, H., 115
Salerno, E., see Kalu, D.N., 109
Smithbindman, R., Steiger, P., Cummings, S.R. and Genant, H.K., The index of radiographic area (IRA): a new approach to estimating the severity of vertebral deformity, 127
Steiger, P., see Smithbindman, R., 127

Tanizawa, O., see Jikihara, H., 115
Tenenbaum, H.C., see Birek, C., 193
Terakawa, N., see Jikihara, H., 115
Thomas, J.T., see Hoyland, J.A., 141

Vogel, J.M., see Davis, J.W., 227

Wangdee, W., Limlomwongse, L. and Krishnamra, N., Further studies on acute-effect of prolactin on intestinal calcium absorption in rat, 97
Wasnich, R.D., see Davis, J.W., 227

Zamberlan, N., see Adami, S., 73

Subject Index

4-Amino-1-hydroxybutylidene-1,1-bisphosphonate, 237

Bisphosphonate, 257
Body conformation, 209
Bone, 227
Bone (Lamellar and woven)formation, 33
Bone loss, 109, 175, 227
Bone mineral content, 227

Calcium absorption, 97, 219
Calcium transport, 97
Cancer-associated hypercalcaemia, 249
Caudal vertebrae number, 209
Cell culture, 1
Chick embryo, 1
Collagen synthesis, 1
Cortical bone, 33
Corticoendosteal, 33
Corticosteroid osteoporosis, 73

Dexamethasone, 193

Epidermal growth factor, 115
Estrogen, 19, 109

Femoral histomorphometry, 209
Fracture, 227

Hybridization (in situ), 193
Hybridization (in vitro), 193
Hypercalcemia, 257

In situ hybridisation, 141
Intracortical, 33

Lactation, 19
Long-term treatment, 33

Male, 227
Mice, 209
mRNA, 141

Nandrolone decanoate, 73
Nephrogenous cyclic adenosine monophosphate, 249

$1,25(OH)_2D_3$-$24,25(OH)_2D_3$, 219
c-*fos*-Oncogene, 193
Oncogene, 193
Osteoarthritis, 141
Osteoblast, 1
Osteoblastic cell, 57
Osteoblastic MC3T3-E1 cell line, 115
Osteogenesis, 193
Osteopenia, 19
Osteoporosis, 19, 127, 227
Osteosarcoma, 57
Ovarian hormone deficiency, 175
Ovariectomy, 109

Pamidronate, 249
Periosteal, 33
Postmenopausal osteoporosis, 237
Prolactin, 97
Prostaglandin E_2, 33

Quantitative computed tomography, 127

Rat, 57
Rat model, 19, 175
Remodeling, 33

Serum, 1
Serum calcium (total and ionized), 19
Serum estradiol, 19
Skeleton characteristics, 209
Sodium channel, 57
Spinal fracture, 127

Tamoxifen, 109
Tiludronate, 257
$TmPO_4$, 249
Transforming growth factor-β, 115
Transforming growth factor-β receptor, 115
Type X collagen, 141

Ultrastructure, 1